

NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY

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ABSTRACT OF THE DISCLOSURE

10 A method of fabricating a porous film of a non-  
aqueous electrolyte secondary battery and a method of  
fabricating the electrode of a non-aqueous electrolyte  
secondary battery by which a highly safe and inexpensive  
non-aqueous electrolyte secondary battery can be  
produced, and a highly safe and inexpensive non-aqueous  
electrolyte secondary battery are disclosed. The method  
15 of fabricating the electrode of a non-aqueous electrolyte  
secondary battery according to the invention comprises  
the steps of forming an electrode plate providing a  
positive electrode or a negative electrode of a non-  
aqueous electrolyte secondary battery and forming and  
20 attaching a porous film of a polymer material on the  
surface of the electrode plate thereby to produce the  
electrode plate having the porous film on the surface  
thereof. The step of attaching a porous film includes  
the step of modifying at least a portion of the porous  
25 film by bonding a predetermined substituent different  
from the group contained in the polymer material to the  
carbon atoms of the backbone chain of the polymer  
material through two or more successive carbon atoms in  
the predetermined substituent after the porous film  
30 forming step.